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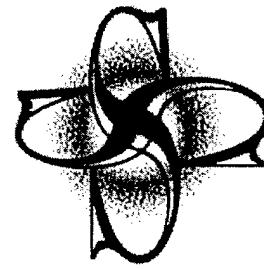
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**Computational Models of Human
Organization Dynamics**

Quarterly Report #5

Sponsored by

Defense Advanced Research Projects Agency
Information Systems Office

Computational Models of Human Organization Dynamics
ARPA Order No. E495
Program Code No. 6S10

Issued by DARPA/CMO under Contract #MDA972-97-C-0001

Period Covered: 3/1/98 – 5/31/98

Reporting Period

This is the fifth quarterly report for the project: Computational Models of Human Organization Dynamics. This report covers the period from 3/1/98 through 5/31/98. Our annual report covers the period from 3/1/97 – 2/28/98, and so includes the fourth-quarter material.

Progress During Reporting Period

During this project period we reviewed our progress on the mapping, modeling, and analysis technologies we have been developing, with an eye to defining shortfalls and thus defining future directions. We are investigating the potential for a suitable graph representation as a fundamental tool to encode data on actors and their inter-dependencies.

We have also significantly extended the crisis-response scenario that we are using to test and illustrate the use of our methods and technologies. With the help of an expert on North Africa and on special operations, we have expanded the number of actors, their inter-relations, and the background data that informs the analysis.

Plans for Next Quarter

Our review this quarter revealed the need to clarify the methodology that disciplines the use of the technologies we have been developing. This is our primary task for the next quarter.

Equipment Purchases

There were no equipment purchases this quarter.

Personnel Matters

There have been no changes in the key personnel proposed for this project – Drs. Fehling and Courand.

Meetings, Important Exchanges and Decisions

We presented our technologies, and described the associated methodology, to Drs. Dyer and Lunceford at DARPA. Both had very positive remarks on the work.

Problems

We have no problems to report at this time. We foresee no substantial risks to our ability to complete this project successfully, on time, and on budget.

Fiscal Status

The table below summarizes the fiscal status for this contract and our projected spending over the next quarters.

Amount Currently Provided	\$749,647.
Expenditures and Commitments to Date	\$419K
Manhours Planned, Actual	Planned = 163 Actual = 146
Estimated Funds/Qtr to Complete Work	\$110K
Estimated Date of Completion	2/28/99

Distribution of this Report

The following individuals/organizations comprise the distribution list for quarterly reports on this contract.

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